

ESKIN, V.A.; KRAMINSKAYA, N.N.; BERKUT, Yu. V.; IRLIN, Sh. P.; IZOROV, P.V.

Epidemiology and clinical characteristics of Ussuri leptospirosis.  
Zhur. mikrobiol. epid. i immunit. no. 8:54-60 Ag '58. (MIRA 11:10)  
(LEPTOSPIROSIS,  
ussuri, epidemiol. in Russia & clin. aspects (Rus))

IRINA, I.S.

Change in the thermostability of some free-living protozoa under the influence of a previous temperature regimen. *Tsitologiya* 2 no.2:227-234 Mr-Apr '60. (MIRA 14:5)

1. Laboratoriya tsitologii odnokletochnykh organizmov Instituta tsitologii AN SSSR, Leningrad.  
(INFUSORIA) (TEMPERATURE—PHYSIOLOGICAL EFFECT)

2  
POLYANSKIY, Yu. I., SUKHANOVA, K. M. and IRLINA, I. S.

"Temperature Adaptations of Free-Living and Parasitic Protozoans."  
pp. 62

Institute of Cytology AS USSR Laboratory of Cytology of Unicellular  
Organisms

II Nauchnaya Konferentsiya Instituta Tsitologii AN SSSR. Tezisy Dokladov  
(Second Scientific Conference of the Institute of Cytology of the Academy  
of Sciences USSR, Abstracts of Reports), Leningrad, 1962 66 pp.

JPRS 20,634

IRLINA, I.S.

Effect of habitat conditions and geographical distribution on the  
adaptation to temperature of free-living protozoans. Vop. ekol.  
7:72-73 '62. (MIRA 16:5)

1. Institut tsitologii AN SSSR, Leningrad.  
(Protozoa) (Temperature—Physiological effect) (Adaptation (Biology))

IRLINA, I.S.

Effect of some salts and ethyl alcohol on infusoriam adapted  
to various temperatures. TSitologiya 5 no.3:287-294 My-Je '63.  
(MIRA 17:5)

1. Laboratoriya tsitologii odnokletochnykh organizmov Instituta  
tsitologii AN SSSR, Leningrad.

IRLINA, I.S.

Resistance of *Paramecium caudatum* previously adapted to different temperatures to the injurious action of salts.  
Sbor. rab. Inst. tsit. no. 3:92-101 '63. (MIRA 17:7)

1. Laboratoriya tsitologii odnokletochnykh organizmov AN SSSR.

IRLINSKIY, D.A.

OVECHKIS, YE. S., KRAVCHENKO, A. D., GRAD, N.YE., IRLINSKIY, D.A., TSIPENYUK, A.YA.

Hides and Skins

Efficient method for measuring stiff hides. Leg. prom. 12 no. 8, 1952

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

IRLINSKIY, D.N., inzh.; OVECHKIS, Ye.S., kand. tekhn. nauk.

Efficient contours of skins used for welts. Leg. prom. 18 no.2:29-  
30 P '58. (MIRA 11:2)

(Shoe manufacture)



*IRLINSKIY, D.N.*

OVRUTSKIY, M.Sh., kandidat tekhnicheskikh nauk; BRUSILOVSKIY, M.O., inzhener;  
IRLINSKIY, D.N., inzhener; FISH, B.I., inzhener.

Production of stiff leather using mixtures of chromium and sulfite  
woodpulp with SPS tannin. leg. prom. 17 no.5:25-26 № 57.  
(Tanning) (MLRA 10:6)

IRLINSKIY, D.N.

Tanning of stiff leather in a screw conveyer apparatus. Kozh.-obuv.  
prom. 3 no.1:34-37 Ja '61. (MIRA 14:5)

1. Glavnyy inshener Berdichevskogo kozhevennogo zavoda.  
(Tanning)

KOZEREVSKIY, P.; IRMAN, J.; ORA, A., red.; PEDARI, J., tekhn.  
red.

[Growing sugar beets at low labor costs] Sukkrupeedi  
kasvatamine vähese tööjõukuluga. Tallinn, Eesti  
Riiklik Kirjastus, 1962. 63 p. (MIRA 17:1)

IRMANOV, A

Fulfilling the agricultural work on time and ensuring a good harvest, a  
basis for high yields in 1956. p. 5

MASHINIZIRANO ZEMEDELIE. Vol. 7, No. 2, Feb. 1956

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

IRMANOV, A.

Good use of combines in harvesting of grain crops. p. 16

MASHINIZIRANO ZEMEDELIE. Vol. 7, No. 6, June 1956

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

IRMANOV, A.

IRMANOV, A. For high yields during 1957. p. 4.

Vol. 7, No. 9, Sept. 1956.  
MASHINIZIRANO ZEMEDELIE  
AGRICULTURE  
Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, February 1957

IRMANOV, A.

IRMANOV, A. Mechanization of keeping the snow on the sowed fields. p. 10  
Vol. 7, no. 12 Dec. 1956 MASHINIZIRANO ZEMEDELIE. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

IRMANOV, A.; ASENOV, KH.

Bulgarian youth brigade in Siberia working on the virgin soil. p. 7.  
(Mashinizirano Zemedelie, Vol. 8, no. 1. Jan. 1957, Bulgaria)

SO: Monthly List of East European Accessions (EFAL) LC, Vol. 6, no. 6, June 1957, Uncl.



IRMANOV, A. ; ATANASOV, A.

Let us organize strict control of the quality of the spring field work.

P. 7, (Mashinizirano Zemedelie) Vol. 8, no. 3 Mar. 1957, Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

IRMANOV, A.; ATANASOV, A.

Work of the direction and production councils in the machine-tractor stations.p.3.  
(MASHINIZIRANO ZEMEDELIE, Vol. 8, no. 6, June 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

IRMANOV, A.

Separate gathering of the grain. p. 7.  
(Kooperativno Zemedelie, Vol. (12) no. 6, June 1957. Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

IRMATOV, M.

Use of an electronic computer in determining the optimum  
brick transport scheme. Vop. vych. mat. i tekhn. no. 2:197-  
204 '64. (MIRA 18:12)

IRMEDI-MOLNAR, L.

From the past of Hungarian cartography: also, remarks by M. Odlanicki, L. Bendezy, and A. Tarczy-Hornoch. In German. p. 261.

ACTA TECHNICA. (Magyar Tudomanyos Akademia) Budapest, Hungary.  
Vol. 23, no. 1/3, 1959.

Monthly list of East European Accessions (EEAI). LC. Vol. 9, no. 1, Jan. 1960.  
Uncl.

IRMEDI MOLNAR, Laszlo, dr., egyetemi tanar; TALLIAN, Ferenc;  
TOTH, Aurel, dr., közepiskolai tanar

Report of the Library Committee, Hungarian Geographical  
Society. Foldr közl 8 no.3:338-339 '60.

1. Magyar Foldrajzi Tarsasag valasztmanyi tagja. 2. Muszaki  
osztalyvezeto, es a Magyar Foldrajzi Tarsasag Konyvtari  
Bizottsaganak tagja (for Tallian). 3. Szakfelugyelo, es a  
Magyar Foldrajzi Tarsasag Konyvtari Bizottsaganak tagja (for  
Toth). 4. Magyar Foldrajzi Tarsasag Konyvtari Bizottsaganak  
elnoke (for Irmédi Molnar).

IRMEDI MOLNAR, Laszlo

The library and the librarians of The Hungarian Geographical Society.  
Feldr kezl 9 no.1:104-106 '61.

IRMEDI-MOLNAR, László, dr., egyetemi tanár

On the "Political and Economic World Atlas." Geod kart 14  
no.3:149-152 '62.

1. Eotvos Lorand Tudományegyetem, Budapest.



IRMEDI-MOLNAR, Laszlo, dr., egyetemi tanar

Discoverers' maps. Geod kart 14 no.5:378-380 '62.

IRMEDI-MOLNAR, Laszlo, dr., egyetemi tanar

In commemoration of the 150th anniversary of the birth of Agoston  
Teth, 1812-1889. Geed kart 14 no.6:452-453 '62.

1. Eotvos Lorand Tudomanyegyetem, Budapest.

IRMEDI-MOLNAR, László, dr., egyetemi tanár

Report on the First International Congress of the Members of the  
Institute of Pyrenean Studies, Saragossa, 1950. Geod kart 14 no.6:465-  
466 '62.

1. Eotvos Lorand Tudományegyetem, Budapest.

IRMEDI-MOLNAR, Laszlo, dr.

The Szeged circular rampart as leveling point. Geod kart  
15 no.1:59-61 '63.

IRMEDI-MOLNAR, Laszlo, dr.

"Early maps of the British Isles, A.D. 1000-A.D. 1579" by  
G.R. Grone. Reviewed by Laszlo Irmedi-Molnar. Good kart  
15 no.1:75-76 '63.

IRMEDI-MOLNAR, Laszlo, dr.

Road maps made by Erhard Etzlaub of Nuremberg. Geol kart 15  
no.2:127-129 '63.

IRMEDI-MOLNAR, Laszlo, dr.

"Introduction to the practical work of geography" by J. Tricart,  
M. Rochefort, S. Rimbert. Reviewed by Laszlo Irmedi-Molnar.  
Geol kart 15 no.2:145-146 '63.

IRMEBI-MOLNAR, Laszlo, dr.

Globes and celestial globes in the course of history. Geod kart  
15 no.4:287-290 '63.



IRMEDI-MOLNAR, Laszlo, dr.

- "Cartographic documents of the Vatican" by Roberto Almagia.  
Reviewed by Laszlo Irmédi-Molnár. Geod kart 15 no.4:311-312 '63.

IRMEDI-MOLNAR, Laszlo, dr.

"Early maps of North America" by R.M. Lunny. Reviewed by  
Laszlo Irmedi-Molnar. Good kart 15 no.5:391-392 '63.

IRMEDI-MOLNAR, Laszlo, dr.

"Morphology of the Atlantic Ocean" by Theodor Stocks. Reviewed  
by Laszlo Irmedi-Molnar. Geod kart 15 no.5:391 '63.

IRMEDI-MOLNAR, Laszlo, dr.

"The Cabot voyages and Bristol discovery under Henry VII" by James A. Williamson. Reviewed by Laszlo Irmedi-Molnar. Geod kart 16 no.3:231-232 '64.

"Short history of ancient cartography in Japan" by Takejiro Akioka, Nobuo Muroga. Reviewed by Laszlo Irmedi-Molnar. Ibid.:235-236

"Japanese research in the history of cartography." Reviewed by Laszlo Irmedi-Molnar. Ibid.:236-237

IRMEDI-MOLNAR, Laszlo, dr.; TAKACS, Jozsef, dr.

Remarks about the article "Cartographic geography", a  
new, developing branch of science. Geod kart 16 no.5:  
360-364 '64.

ASKEROV, A.Yu.; IRMES, M.L.

Rare case of focal neurofibromatosis of the sympathetic trunks; from medicolegal practice. Azerb. med. zhur. 42 no.2:66-68 F '65. (MIRA 13:7)

1. Iz byuro sudebnomeditsinskoy ekspertizy Ministerstva zdravookhraneniya Azerbaydzhanskoy SSR (nachal'nik - Yu.N.Semenov).

IRMLER, Rudolf, inz.

Surveyor's goniometer for raises. Rudy 10 no.11:30-384 N  
'62.

1. Vysoka skola lesnicka a drevarska, Zvolen.

IRMLER, R., inz.

"Cartography" by [doc. inz. dr.] J. Kovarik, [inz.] K. Dvorak.  
Reviewed by Irmier. Rudy 12 no.10:388 O '64.



IRMUKHAMEDOV, A.A.; TALIKOV, N.A.

Renal functional and morphological changes in liver cirrhosis.  
Med. zhur. Uzb. no.5:40-43 My'63 (MIRA 17:4)

1. Iz kafedry terapii ( zav. - prof. A.S. Mnushkin) i kafedry  
patologicheskoy anatomii ( zav. - prof. R.I. Danilova) Tash-  
kentskogo instituta usovershenstvovaniya vrachey.

IRMUKHAMEDOV, Kh.

Drawing in of sediments into the turbine water ducts of  
hydrostations with a layer-by-layer water intake system.  
Izv. AN Uz.SSR.Ser.tekh.nauk 6 no.2:49-57 '62. (MIRA 15:7)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.  
(Hydraulic turbines)

IRNATOWICZ, Stefan, mgr inz.

Recent achievements in the construction of rock-fill dams.  
Gosp wodna 25 no.3:110-118 Mr '65.

IRNIYAZOV, B.V.

Determination of the coefficient of seepage based on the results of experimental multiple pumping. Uzb. geol. zhur. 9 no.5:81-86 '65. (MIRA 18:11)

1. Institut gidrogeologii i inzhenernoy geologii Gosudarstvennogo geologicheskogo komiteta SSSR. Submitted March 26, 1965.

IRODOV, A., OS'MAK, I.

Corn Picket (Machine)

Harvesting corn with machines. Kolkh. proizv. 12 no.8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

KUDRYAVTSEV, A.B.; IRODOV, A.N.; YEMEL'YANOV, D.P.; KUZ'MIN, Yu.S.;  
SVETLOVA, L.V.

Application of the ultrasonic "UZG-10" generator in the  
cleaning of the inner tube valve surface in aqueous media.  
Kauch. i rez. 24 no.7:49-51 JI '65. (MIRA 18:8)

1. Yaroslavskiy shinnyy zavod.

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 42 (USSR) SOV/124-57-4-4150

AUTHORS: Irodov, A. V., Kovalenko, A. Ya.

TITLE: Investigation of the Nonuniformity of the Air Flow in Large-size Ducted Fans (Issledovaniye neravnomernosti vozdušnogo potoka shirokikh ventilyatorov)

PERIODICAL: Nauchn. tr. Ukr. n.-i. in-t mekhaniz. s. kh. Kiyev, Gossel'khozizdat UkrSSR, 1954, pp 84-97

ABSTRACT: An exposition is given of the results of an experimental study of the distribution of the air velocities in the discharge duct of ducted fans furnished with two lateral inflow ports, which are used for separating the chaff from the grain in threshing machines and harvester combines. The velocity field in the outflow port is characterized by the mean velocity of the flow through its cross-sectional area:

$$V_{\text{mean}} = \frac{\sum V_i}{n}$$

and by the coefficient of nonuniformity

$$K = \frac{1}{V_{\text{mean}}} \sqrt{\frac{\sum (V_i - V_{\text{mean}})^2}{n - 1}}$$

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Investigation of the Nonuniformity of the Air Flow in Large-size Ducted Fans

SOV/124-57-4-4150

where  $V_i$  is the local velocity past a point of the outflow cross section of the ducted fan and  $n$  is the number of points measured. In the preliminary tests the authors found that with a relatively uniform velocity field in the outflow cross section of the fan an increase in the mean outflow velocity from 4 to 6 m/sec leads to the carry-off of grain with the chaff and a consistent impoverishment of the chaff content in the grain. The increase of the mean velocity with a nonuniform distribution of the velocities in the outflow port of the fan leads to a consistent increase of grain in the chaff and chaff in the grain, i. e., to unsatisfactory separating action.

I. A. Shepelev

Card 2/2



*I RODOV, A.K.*

OS'MAK, Illarion Terent'yevich; IRODOV, Aleksandr Vyacheslavovich;  
STEPANENKO, A.N., inzh., retsenzent; DAVIDENKO, V.M., Patsenznet;  
SERDYUK, V.K., inzh., red.; RUDENSKIY, Ya.V., tekhn.red.

[Corn-harvesting machinery] Mashiny dlia uborki kukurusy. Kiev.  
Gos.nauchno-tekhn.isd-vo mashinostroit..lit-ry, 1957. 276 p.  
(Corn picker (Machine)) (MIRA 11:4)

BELOZERTSEV, A.G., kand. ekonom. nauk; GARDIN, M.V.; IRODOV, A.V.; KAPLAN, S.M.; KOLYSEV, P.P.; PAVLOV, P.V. [deceased]; KRYUKOV, V.L., red.; GREBTSOV, P.P., red.; PEVZNER, V.I., tekhn. red.

[Over-all mechanization of the growing and harvesting of corn] Kompleksnaia mekhanizatsiia vozdel'yvaniia i uborki kukuruzy. By A.G. Belozertsev i dr. Moskva, Gos. izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 335 p. (MIRA 14:11)  
(Corn (Maize)) (Agricultural machinery)

IRODOV, D.I.

PISKUNOV, V.Ya., inzhener.

"Scrapers in hydrotechnical construction." D.I.Irodov, Kh.I.Kostin.  
Reviewed by V.IA.Piskunov. Gidr.i mel.6 no.4:63-64 Ap '54. (MLRA 7:5)  
(Scrapers) (Irodov, D.I.) (Kostin, Kh.I.)

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SOV/112-59-2-2708

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2, p 61 (USSR)

AUTHOR: Bodunov, S. I., Irodov, D. I., and Meshcheryakov, A. I.

TITLE: Bulk Work and Special Work in Construction Hydroelectric Generating Stations (Proizvodstvo massovykh i spetsial'nykh rabot na stroitel'stve gidrostantsiy)

PERIODICAL: V sb.: Energ. str-vo SSSR za 40 let. M.-L., Gosenergoizdat, 1958, pp 89-124

ABSTRACT: Bibliographic entry.

Card 1/1

IRODOV, D.I., inzh.; SOKOLOV, V.A., inzh.

The KBGS-101 building and assembling tower crane to be used in  
building hydraulic structures. Energ. stroi. no.2:67-70 '59  
(MIRA 13:3)

1. Glavgidroenergostroy.  
(Cranes, derricks, etc.)



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PHASE I BOOK EXPLOITATION

SOV/3202

Irodov, Igor' Yevgen'yevich

Sbornik zadach po atomnoy fizike (Collection of Problems on Nuclear Physics)  
Moscow, Atomizdat, 1959. 150 p. (Series: Uchebnaya biblioteka)  
14,000 copies printed.

Ed. : V.I. Labaznov; Tech. Ed.: N.A. Vlasova.

**PURPOSE:** This book is intended for students of physics at higher institutions of learning.

**COVERAGE:** This is a collection of more than 500 problems on atomic physics with detailed procedures for solving the more difficult ones. Each chapter contains a short review of the basic concepts and relationships required for solving the problems. The supplements include important physical constants, and other tables. The author is affiliated with the Moscow Engineering and Physics Institute. No personalities are mentioned. No references are given.

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Collection of Problems on Nuclear Physics

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Foreword

1. Thermal Radiation
2. Quantum Nature of Light
3. The Rutherford-Bohr Atom
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5. Alkali Metal Spectra. Fine Structure
6. Vector Model of an Atom. An Atom in a Magnetic Field
7. Diamagnetism and Paramagnetism
8. X-rays
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*IRADOV, I. YE.*

PHASE I BOOK EXPLOITATION

SOV/5717

Moscow. Inzhenerno-fizicheskiy institut.

Pribory i metody analiza izlucheni; sbornik nauchnykh rabot, vyp. 2. (Apparatus and Methods for the Analysis of Radiation; Collection of Scientific Papers, no. 2) Moscow, Atomizdat, 1960. 166 p. 4000 copies printed.

Sponsoring Agency: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSPSR. Moskovskiy Inzhenerno-fizicheskiy institut.

Ed. (Title page): Ye. L. Stolyarova, Candidate of Physics and Mathematics;  
Tech. Ed.: S. M. Popova.

PURPOSE: This collection of articles is intended for specialists in nuclear physics, dosimetry of nuclear radiations, and shielding.

COVERAGE: The articles were prepared by scientists of MIFI (Moscow Physics and Engineering Institute) and presented at the 1957 conference of the Institute. Brief annotations to the articles have been included in the Table of Contents. No personalities are mentioned. References follow each article.

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Apparatus and Methods for the Analysis (Cont.)

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✓ Stolyarova, Ye. L., and G. G. Doroshenko. Delayed Coincidence Unit for Measuring Time intervals of  $10^{-10}$  -  $10^{-7}$  sec

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This unit has greater possibilities than other known units. Use of pentodes with secondary emission under special conditions permits blocking of the limiter with one photoelectron from the photocathode. The characteristic impedance of the delay line (150 instead of the usual 92 ohm) enhances the amplitude of the pulse for the incidence selection. At resolving time  $2\tau = 2.5$  nsec the recording efficiency is 60%.

Nelipa, N. F. and V. A. Feoktistov. Determination of Small-Phase Pi-Meson Scattering by Nucleons

155

A general equation is given for the polarization of recoil nucleons emerging during the formation of pi-mesons by photons.

Irodov, I. Ya. Resolving Power of Analyzers With a Radially Symmetric Magnetic Field

157

Problems relating to the resolving power of analyzers are discussed.

Card 7/8

IRODOV, Igor' Yevgen'yevich; MUKHTAROV, Ch.K., dotsent, nauchnyy red.;  
KUKOLEVA, T.V., red.; ANDREYENKO, Z.D., red.; VLASOVA, N.A.,  
tekh.n.red.

[Collected problems in atomic physics] Sbornik zadach po atomnoi  
fizike. Moskva, Gos.izd-vo lit-ry v oblasti atomnoi nauki i  
tekhniki, 1960. 238 p. (MIRA 14:2)  
(Nuclear physics)

IRODOV, I. Ye.

Resolving capacity of analysers with radially-symmetric magnetic  
fields. Sbor. nauch. rab. MIFI no.2:157-160 '60. (MIRA 14:3)  
(Isotope separation--Equipment and supplies)

S/058/61/000/009/004/050  
A001/A101

AUTHOR: Irodov, I.Ye.

TITLE: Plane-parallel magnetic fields with increased dispersion

PERIODICAL: Referativnyy zhurnal: Fizika, no. 9, 1961, 27-28, abstract 9B30 (V  
sb. "Pribory i metody analiza izlucheniya"; no. 2, Moscow, Atomiz-  
dat, 1960, 161 - 166)

TEXT: Dispersion is one of the decisive factors on which depends resolv-  
ing power of magnetic analyzers. In the case of a plane-parallel field, disper-  
sion is proportional to the focusing angle of charged particles, i.e. in the end,  
to curvature of trajectory. In the present work the author calculates, using  
the method of graphical analysis, the magnetic analyzer with non-uniform field  
in which trajectories of particles have a considerable curvature. An experimen-  
tal testing of the calculation results was carried out on an electromagnet with  
54 - 90 cm pole shoes whose profile ensured generation of field close to the  
rated one in its shape. It is shown that dispersion of the instrument is 1.5  
times as high as in conventional versions of analyzers ( $180^\circ$ ) with the plane-  
parallel field. In comparison with the radial-symmetric field with focusing for

Card 1/2

IRODOV, Igor' Yevgen'yevich; MEL'NIKOVA, A.I., red.; MAZEL', Ye.I.,  
tekhn. red.

[Problems in atomic and nuclear physics] Sbornik zadach po  
atomnoi i iadernoi fizike. Izd.3., perer. i dop. Moskva,  
Gosatomizdat, 1963. 343 p. (MIRA 16:12)  
(Nuclear physics--Problems, exercises, etc.)

IRCDOV, M., inzh.

What's new in foundation engineering. Ma stroi. Mosk. 2  
no.10:13-16 0 '59. (MIRA 13:2)  
(Foundations)  
(Piling (Civil engineering)--Equipment and supplies)

IRODOV, M.D., inzh.

New foundation elements for antenna towers. Vest. aviazi 20  
no.8:5-7 Ag'60. (MIRA 13:10)  
(Radio--Antennas) (Foundations)



12.2500

89420

S/100/60/000/009/002/005  
A053/A026

AUTHOR: Irodov, M.D., Engineer

TITLE: M3C-13 (MZS-13) Machine for Sinking Screw Piles and Anchors into the Ground

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1960, No. 9, pp. 14 - 16

TEXT: The Leningrad Branch of VNIISTroydormash (authors: K.P. Lebedev, (deceased) B.A. Postnikov, M.D. Irodov, N.N. Anichkin, M.A. Shkud) has worked out the design of a truckmounted machine MZS-13 for sinking screw piles into the ground; these piles are 6 - 8 m long, weigh 3,000 kg and have large-bladed anchors, (1,300 mm diameter of blade) and are used in the construction of masts and antennae. Foundations on screw piles and anchors have very great economical and technical advantages as compared with the locally made concrete foundations. An experimental model of the MZS-13 has been built by the Mytishchenskiy mashinostroitel'nyy zavod (Mytishcheno Machine Building Plant) and the Zavod tyazhelogo mashinostroyeniya (Heavy Machine Building Plant) in Elektrostal' city in October 1959, and has passed all plant and field tests. The MZS-13 is mounted on a reinforced chassis of the truck tractor YA3-214 (YAAZ-214) and consists of the following units: a working unit, four props, which take the reactive torque, transmission of the gear of

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S/100/60/000/009/002/005  
A053/A026

M3C-13 (MZS-13) Machine for Sinking Screw Piles and Anchors into the Ground

rotation and of the inclination of the working unit, hydraulic gear connecting the hoist of the working unit with the jacks of the props, a control panel, and auxiliary equipment. A drive shaft serves as transmission from the gear box of the YaA Z-214 to the distribution box, which transmits the rotary motion to the hoist and the reversing box, which serves to reverse the rotation of the working unit and to change the angle of inclination. Three transmissions of the hydraulic pump gear are intended for sinking piles and anchors of three dimensions, corresponding with the pitch of the screw blades: 160, 200 and 260 mm. Two drive shafts serve to transmit rotation from the reversing box to the reducing gear of the working unit and to the reducer of the tilt angle changer of the tube. The working unit consists of: base, revolving tube, hoist, carriage, lower flange and girder. The design of the working unit permits the following operations in sinking piles or anchors: Taking the shell inside the tube of the working organ, slipping it over the pile or anchor and placing it at the desired incline between 0 and 45° to the vertical, sinking the pile or anchor into the soil through rotation, utilizing the axial load; in case of need to screw out the pile or anchor, by reversing the rotary movement. The reactive torque developing during sinking of the pile is taken up by four propjacks built into the frame of the unit. The operations of the mechanism are con-

Card 2/4

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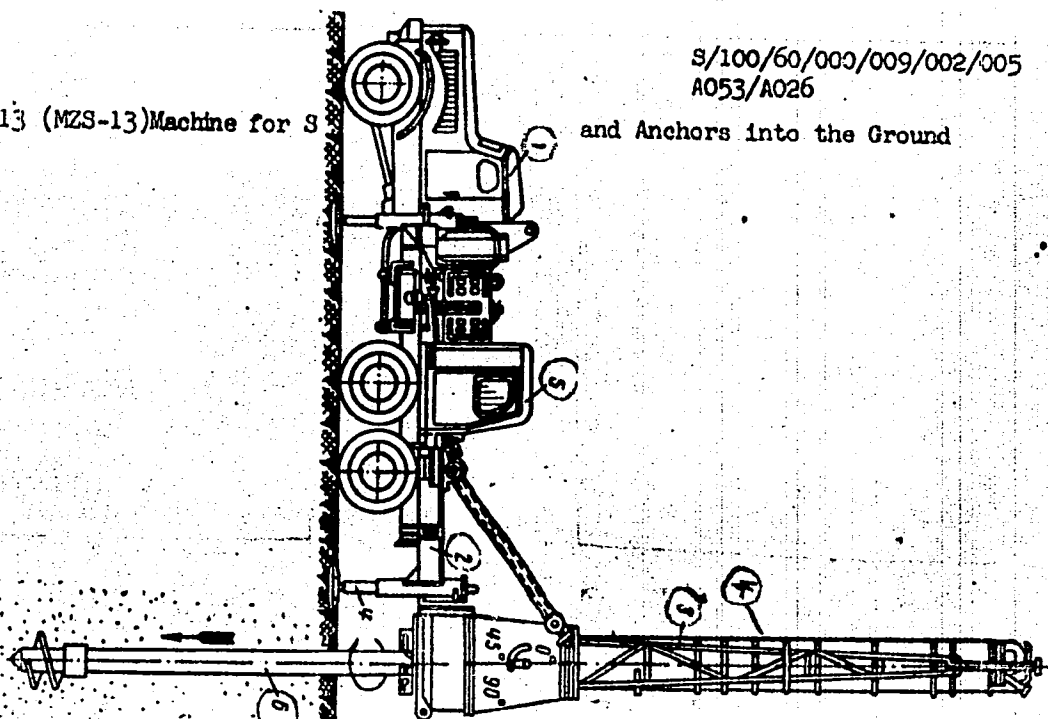
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M3C-13 (M2S-13) Machine for S

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and Anchors into the Ground

Card 4/4



*CR*

PRODOV, M. [V.]

Losses in the production of glycerol. L. Klepikov and  
M. Izrael. Masloboino Zhirovye Delo 11, 262-3(1945).  
The losses of glycerol in the process of recovery and cosen.  
are discussed. Chas. Blanc

71

ASB-SLB METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION

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REVISION

CH. IRODOV, M. LV

Is it necessary to refine fat mixtures before decomposition? *M. Irodov, Maslobolno Zhirevo Delo 11, 404 (1935).* In the sapon. of cottonseed-oil fat mists, the preliminary washing with  $H_2SO_4$  is omitted, because it is believed that in the process of hydrogenation the fat mist is sufficiently freed from the albuminous and mucilaginous impurities. Factory samples of cottonseed-oil fat mist. (liter 41.6%, initial acidity 6.3 mg.) on decompn. for 18 hrs. (in 3 stages) with the aid of 1.2% of gas-oil contact mass gave 85.2% sapon. The same fat mist, after a preliminary washing with 25% of 2%  $H_2SO_4$  for 2 hrs. on decompn. under identical conditions gave 95% sapon. The ppt. sepd. from the wash acid after decaffing with  $H_2O$  formed a gray powder insol. in common org. solvents. On the addn. of 1% of this powder to the fat mist, its sapon. rate was reduced 80%. The draining of wash acid is usually stopped as soon as the fat emulsion appears. The emulsion and bottom fat layers contain considerable portions of these coagulated residues possessing the anticatalytic properties. By washing cottonseed-oil fat mists, with acid as described above and removing the emulsion and bottom fat layers together with the wash acid, a sapon. of 92.7-93.5% was effected. Chas. Blanc

[illegible]

CROSS ELEMENTS		COIN		NATURAL INDEX		PROCESS AND PROPERTIES INDEX		EXTRACTED INDEX	
KRODOV, M. IV.)								27	
<p><b>Optimum acidity of the aqueous phase in the hydrolytic decomposition of oils.</b> M. I. Kravchenko and R. L. Larsson. <i>Moskowskoe Zhivnoe Delo</i> 13, No. 4, 39-40(1937).--The max. hydrolyzing power of sulfonated petroleum (mol. wt. 220) is at 1% acidity (<math>H_2SO_4</math>) of the aq. phase and that of sulfonated gas oil (mol. wt. 344) at 2% acidity. The acty. of high-mol. sulfonic acids in the oil phase increases with the increase of the fatty acid in the oil, while that of the low-mol. sulfonic acids decreases. C. B.</p>									
<b>833-51.6 METALLURGICAL LITERATURE CLASSIFICATION</b>									
SOURCE SYNONYM		SYNONYM		CLASSIFICATION		EXTRACTED INDEX		EXTRACTED INDEX	
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*IRKOV, M.V.*

IRKOV, M.V., kandidat tekhnicheskikh nauk.

Esterification of fatty acids with glycerol. Masl.-zhir.prom.  
17 no.8:14-17 Ag '52. (MLRA 10:9)

1. Nauchno-issledovatel'skiy institut shirov.  
(Acids, Fatty) (Esterification) (Glycerol)



1. IRODOV, M.V.
2. USSR (600)
4. Oils and Fats
7. Changes in the color of fat during the process of decomposition.  
Masl. zhir. prom. 17. no. 9. 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

IRODOV, M.V., kandidat tekhnicheskikh nauk, laureat Stalinskoy premii;  
~~NAUMENKO~~ NAUMENKO, P.V., inzhener, laureat Stalinskoy premii; CHUKOV, P.N.,  
inzhener, laureat Stalinskoy premii.

Work of sections for nonreactive splitting of fats. Masl.-shir.prom.  
19 no.1:21-25 '54. (MLRA 7:2)

1. Glavrazshirmaalo (for Naumenko and Chukov). 2. Vsesoyuznyy nauchno-  
issledovatel'skiy institut shirov (for Irodov). (Oils and fats)

*IRODOV, M. V.*

SERGEYEV, A., kandidat tekhnicheskikh nauk; IRODOV, M. V., kandidat tekhnicheskikh nauk; ARTOMONOV, P. A., kandidat khimicheskikh nauk; NEVOLIN, F. V., kandidat tekhnicheskikh nauk; GRAUERMAN, L. F. L. A., kandidat tekhnicheskikh nauk; BODYAZHINA, Z. I., kandidat tekhnicheskikh nauk.

"Technology of processing fats." B. N. Tiutiunnikov, P. V. Naumenko, I. M. Tovbin, G. G. Paniev. Reviewed by A. Sergeev, M. V. Irodov et al. Masl.-shir.prom. 19 no.6:31-32 '54. (MLRA 7:10)  
(Oils and fats) (Tiutiunnikov, B. N.) (Naumenko, P. V.)

IRODOV, M.V., kandidat tekhnicheskikh nauk; FAROLO, L.V., inzhener;  
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Continuous splitting of fats in autoclaves without a catalyst.  
Masl.-shir.prom. 21 no.8:16-19 '55. (MLRA 9:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut shirov (for Irodov, Farolo); 2. Rostovskiy masloshirkombinat (for Sudakov).  
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TYUTYUNNIKOV, Boris Nikanorovich, professor; NAUMENKO, Petr Vasil'yevich;  
TOVBIN, Isaak Moiseyevich; FANIYEV, Garigin Georgiyevich; BODYAZHINA,  
Z.I., kandidat tekhnicheskikh nauk, retsenzent; GRAUKERMAN, S.A.,  
kandidat tekhnicheskikh nauk, retsenzent; IRODOV, M.V., kandidat  
tekhnicheskikh nauk, retsenzent; KUPCHINSKIY, P.D., kandidat tekhnicheskikh nauk, retsenzent; SERGAYEV, A.O., kandidat tekhnicheskikh nauk, retsenzent; STERLIN, B.Ya., kandididat tekhnicheskikh nauk, retsenzent; MASLOVA, Ye.F., redaktor; CHEBYSEVA, Ye., tekhnicheskij redaktor

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(Oils and fats)

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IRODOV, M.V., kandidat tekhnicheskikh nauk.

Results of the work of the All-Union Scientific Research Institute  
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no.6:5-8 '57. (MLRA 10:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut shirov.  
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(Oil industries)

(MIRA 13:1)



IRODOV, M.V., kand.tekhn.nauk; MAKHINYA, V.M., inzh.

Effect of the method of purification of sweet water on the  
distillation recovery of glycerine. Masl.-shir.prom. 24 no.1:18-23  
'58. (MIRA 11:3)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut shirov.  
(Glycerol)

IRONOV, M.V., kand. tekhn. nauk.

Boiling toilet soap base from split fats. Masl.-shir. prom. 24  
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1. Vsesoyuznyy nauchno-issledovatel'skiy institut shirov.  
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IRODOV, M.V., kand. tekhn. nauk

Comments on the oils and fats industry in the Hungarian People's Republic. Masl.-shir.prom. 25 no.2:43-45 '59. (MIRA 12:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut shirov.  
(Hungary--Oil industries)

IRODOV, M.V., kand.tekhn.nauk

Coordination of the scientific research work. Masl.-zhir.  
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Dmitriyeva, N.A.

Experience in the continuous splitting of fats in a column-type  
apparatus. Masl.-zhir.prom. 26 no.7:30-31 J1 '60. (MIRA 13:7)

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Irodov, Porolo), 2. Zaporozhskiy masloshirovoy kombinat (for  
Arutyunyan, Dmitriyeva).  
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BODYAZHINA, Z.I.; VENGEROVA, N.V.; GEYSHINA, K.V.; GRAUERMAN, L.A.;  
 IRODOV, M.V.; KARANTSEVICH, L.G.; KRAL'-OSIKINA, G.A.;  
 KUPCHINSKIY, P.D.; LEONT'YEVSKIY, K.Ye.; LITVINENKO, V.P.;  
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 RZHEKHIN, V.P., starshiy nauchnyy sotrudnik; SARKISOVA, V.G.;  
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 A.G., kand.tekhn.nauk, red.; PRITYKINA, L.A., red.; GOTLIB,  
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 methods in the analysis of raw material and semiprocessed and  
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 fabrikatov i gotovoi produktsii. 1959. 495 p. (MIRA 13:5)  
 (Oil industries) (Oils and fats--Analysis)

IRODOV, M.V., kand.tekhn.nauk

Extraction of glycerin from soap stock. Masl.-zhir.prom. 26 no.11:  
29-31 N '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Glycerol) (Soap)

IRODOV, Mikhail Vyacheslavovich, kand. tekhn. nauk; BELIKOVA, L.S.,  
red.; SOKOLOVA, I.A., tekhn. red.

[Continuous reagent-free splitting of fats] Nepreryvnoe bez-  
reaktivnoe rasshcheplenie zhirov. Moskva, Pishchepromizdat,  
1961. 76 p. (MIRA 15:2)

(Oils and fats)



IRODOV, M.V., kand.tekhn.nauk

Composition of glycerin water obtained in the reagent-free  
splitting of fats. Masl.-shir.prom. 28 no.12:21-24 D '62.

(MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut shirov.  
(Glycerol) (Emulsions (Chemistry))

IRODOV, M.V. kand.tekhn. nauk; MAKHINYA, V.M., inzh.; Prinimali  
uchastiye: VINOGRADOVA, Ye.F.; YELISEYEVA, N.S.

Obtaining improved glycerin from industrial bone fats. Masl.-  
zhir. prom. 29 no.6:21-24 Je '63. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Glycerol) (Bone products)

IRODOV, M.V., kand.tekhn.nauk

Improving the accounting in the glycerin manufacture. Masl.-zhir.  
prom. 29 no.9:29-31 S '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.

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AUTHOR: Irodov, M. V. (Candidate of technical sciences)

TITLE: Loss of glycerine in the process of manufacture

SOURCE: Maslozhirovaya promyshlennost', no. 8, 1965, 23-26

TOPIC TAGS: glycerine fat, saponification, triglyceride

ABSTRACT: This paper summarizes the results of an enquiry conducted in 1963-1964 into the losses of glycerin during saponification of various fats. The obtained results were used to establish the following glycerin yield norms. (The yield norms refer to 88% glycerine). Cotton and sunflower oil and their hydrogenated forms--10.5%. Soybean oil and its hydrogenated form--9.37%. Mustard seed oil and its hydrogenated form--9.54%. Technical animal fat: I quality--10.26%, II--8.56%, and III--6.02%. It is recommended that the above figures be used in the planning of glycerin production. V. M. Makhinya, N. S. Yeliseyeva, and Ye. F. Vinogradova collaborated in the experiments. Orig. art. has: 2 tables.

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Card 1/1 *BP*

IRODOV, G. V.

Agriculture

Mechanization of corn picking. Kyiv, (Derzh, vyd-vo sil's'kohospodars'koi lit-ry URSR), 1951.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

IRODOV, O.V., kand.tekhn.nauk

Get the most out of corn harvesting machinery. Mekh.sil'.  
hosp. 10 no.7:1-3 J1 '59. (MIRA 12:12)  
(Corn picker(Machine))

IRODOV, O.V., kand.tekhn.nauk

Co-ordinating transportation and the work of combines in harvesting corn. Mekh. sil'. hosp. 11 no.6:5-7 Je '60. (MIRA 13:11)  
(Corn(Maize)--Harvesting)

IRODOV, O.V., kand.tekhn.nauk

Performance of the corn combine in an operation cycle. Mekh.  
sil'.hosp. 12 no.8:6-7 Ag '61. (MIRA 14:7)  
(Corn picker (Machine))



*Irodov, Roman Dmitri'yevich*

PHASE I BOOK EXPLOITATION

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Irodov, Roman Dmitri'yevich

Raschet peregruzok i uglov krena samoleta pri dvizhenii po prostanstvennoy trayektorii (Analysis of Load Factors and Angles of Bank of an aircraft Moving Along a Three-dimensional Flight Path) Moscow, Oborongiz, 1957. 22 p. (Tsentral'nyy aero-gidrodinamicheskiy institut. Trudy, vyp. 702) Number of copies printed not given.

Ed.: Petrova, I. A.; Tech. Ed.: Lebedeva, L. A.; Chief Ed.: Latynin, Ye. V.

PURPOSE: This monograph is intended for engineers and scientific workers concerned with problems of aircraft dynamics.

COVERAGE: The author gives formulas which relate the parameters characterizing the flight conditions of an aircraft (speed, load factor, and angle of bank) to the characteristics of its flight path (flight-path angle, curvature, and position of the osculating plane). These formulas permit computation of the load factor and the angle of bank of an aircraft moving along any given three-dimensional flight path. By the method of differential geometry, the

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variants of the curve - the radius of curvature and the twist - are calculated. With the aid of the data obtained the load factors of the aircraft and the angles of bank at every point of the flight path are computed. Thus, having obtained the load factor, we can determine the

IRODOVA, F.N.

Economic significance of damages caused by the shield bug Eurygaster  
integriceps Put. to winter wheat grain. Trudy VIZR no.20 pt.1:56-60  
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IROSHNIKOV, A.I.

IROSHNIKOV, A.I.

"Dead" horizon and water balance in soils of the Veliko-Anadol'  
forest massif (concerning I.M.Labunskii's works). Pochvovedenie  
no.7:99-102 J1 '57. (MIRA 10:11)

(Ol'ginka District--Soil moisture)

*Preservation*  
IROSHNIKOV, A. I., Cand Agr Sci -- (diss) "~~Insuring of moisture~~ and  
growth of protective oak plantings in the Azov ~~steppe~~ <sup>steppes</sup>." Mos,  
1958. 20 pp (Acad Sci USSR, Inst of Forestry), 110 copies (KL, 18-58,  
101)